

## ACRONYMS AND ABBREVIATIONS

AAA	Antiaircraft Artillery
AATD	Advanced Aviation Technology Division
ACES	Adaptive Combat Environment System
AFAL	Air Force Avionics Laboratory
AFIWC	Air Force Information Warfare Center
AFOTEC	Air Force Operational Test and Evaluation Center
AFSAA	Air Force Studies and Analyses Agency
AGC	Automatic Gain Control
ALARM	Advanced Low Altitude Radar Model
ALCM	Air Launched Cruise Missile
AMSAA	U.S. Army Materiel Systems Analysis Activity
ANSI	American National Standards Institute
AOA	Angle of Attack
ARM	Antiradiation Missile
ASC	Aeronautical Systems Center
ASD/XR	Aeronautical Systems Division/Requirements
ASI	ASI Systems, International
AVR	Acquisition Validation Report
AWACS	Airborne Warning and Control System
BAH	Booz-Allen & Hamilton
BBS	Bulletin Board System
BDM	BDM International, Inc.
BVR	Beyond Visual Range
CASE	Computer-Aided Software Engineering
CC	Configuration Control
CCB	Configuration Control Board
CCC/DM	Configuration Change Control/Development and Maintenance
CFAR	Constant False Alarm Rate
CGF	Computer Generated Forces
CI	Configuration Item
CIC	Close-In Combat
CM	Configuration Management
CMS	Conceptual Model Specification
COTR	Contracting Officer's Technical Representative
CPA	Closest Point of Approach
CPU	Central Processing Unit
CSCI	Computer Software Configuration Item
DEC	Digital Equipment Corporation
DIA	Defense Intelligence Agency
DIS	Distributed Interactive Simulation
DMA	Defense Mapping Agency
DOD	Department of Defense
DOF	Degrees of Freedom
DOS	Disk Operating System
DRD	Data Requirements Dictionary
DTED	Digitized Terrain Elevation Data

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ECDES	Electronic Combat Digital Evaluation System
ECM	Electronic Countermeasures
ECSRL	Electronic Combat Simulation Research Laboratory
EO	Electro-Optical
ESAMS	Enhanced Surface-to-Air Missile Simulation
EUG	ESAMS Users Group
EW/CAS	Electronic Warfare/Close-Air Support
FACTR	Future Air Combat Tool Requirements
FASTC	Air Force Foreign Aerospace Science and Technology Center
FAT	Functional Area Template
FE	Functional Element
FEAP	Functional Element Assessment Plan
FED	Functional Element Description
FMS	Full Mission Simulator
FOR	Field of Regard
FOV	Field of View
FSTC	U.S. Army Foreign Science and Technology Center
FTD	Foreign Technology Division
GCI	Ground controlled Intercept
GFE	Government Furnished Equipment
GFI	Government Furnished Information
GRACE	Ground Radar Clutter Estimator
GRAM	Generic Radar Assessment Model
GRIPS	Graphical Information Presentation System
HIFADS	High-Fidelity Air Defense Simulation
HMS	Helmet Mounted Sight
HUD	Head Up Display
IDA	Institute for Defense Analysis
IF	Intermediate Frequency
IFF	Identification friend-or-foe
INEWAM	Integrated Electronic Warfare Analysis and Modeling
IO	Input/Output
IR	Infrared
IRAD	Independent Research and Development
IRST	Infrared Search and Track
ITB	Integrated Track Bank
IVA	Independent Verification Agent
JCL	Job Control Language
JCMPO	Joint Cruise Missile Program Office
JTAEWS	Joint Tactical Air Electronic Warfare Study
JTCG/AS	Joint Technical Coordinating Group for Aircraft Survivability
LOS	Line of Sight
LPI	Low Probability of Intercept
M&S	Modeling and Simulation
M&S	Models and Simulations
MAP	Model Assessment Plan

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MARS	Model Assessment Requirements Specification
MAW	Missile Approach Warning
MDR	Model Deficiency Report
MIL	Man in the loop
MIL-STD	Military Standard
MIT	Massachusetts Institute of Technology
MOA	Memorandum of Agreement
MOE	Measure of Effectiveness
MOP	Measure of Performance
MORS	Military Operations Research Society
MRP	Mission Requirements Package
MSD/ENY	Munition Systems Division
MSIC	Missile and Space Intelligence Center
MTI	Moving Target Indicator
MTT	Multiple Target Track
MW	Missile Launch Warning Device
NAIC	National Aerospace Intelligence Center
NAVMIC	Naval Maritime Intelligence Center
NAWC	Naval Air Warfare Center
NCID	Non-Cooperative Identification
NSWC	Naval Surface Weapon Center
NTIC	Naval Technical Intelligence Center
NTR	Nevada Test Range
NWSC	Naval Weapon Support Center
ONI	Office of Naval Intelligence
OPTEVFOR	Operational Test and Evaluation Forces (U.S. Navy)
Pd	Probability of Detection
Pfa	Probability of False Alarm
PIP	Product Improvement Program
Pk	Probability of Kill
POC	Point of Contact
PRC	Program Research Corporation
PRF	Pulse Repetition Frequency
RADGUNS	Radar Directed Gun System Simulation
RCS	Radar Cross Section
RF	Radio Frequency
RGPO	Range Gate Pull Off
RMS	Root Mean Square
ROT	Roll-over-the-top
RRE	Round Rough Earth ALARM
RSE	Round Smooth Earth ALARM
RSTA	Reconnaissance, Surveillance, and Target Acquisition
RVGPO	Range/Velocity Gate Pull Off
RWR	Radar Warning Receiver
S&T	Scientific and Technical
S/I	Signal-to-Interference Ratio
SAC	Strategic Air Command
SAIC	Science Applications International Corporation

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SAM	Software Analyst's Manual
SAM	Surface to Air Missile
SAN	Situation Awareness Networks
SAP	Sensitivity Analysis Plan
SAR	Sensitivity Analysis Report
SCMP	Software Configuration Management Plan
SDC	Spatial Distribution Coefficient
SDD	Software Design Document
SDS	Software Design Specification
SEKE	Spherical Earth/Knife Edge Diffraction
SFD	Sensor Fusion Devices
SIMVAL	Simulation Validation Project
SMART	Susceptibility Model Assessment and Range Test Project
SNR	Signal-to-Noise Ratio
SPM	Software Programmer's Manual
SPO	System Program Office
SQA	Software Quality Assessment
SRAM	Short-Range Attack Missile
SSM	Surface-to-surface missile
SSW	Swept Square Wave
STC	Sensitivity Time Control
STRATJIC	Strategic Joint Information Center
STT	Single Target Track
SUM	Software User's Manual
SURVIAC	Survivability/Vulnerability Information Analysis Center
SVRS	Software Verification Requirements Specification
SvT	Sverdrup Technology
TBC	Terrain Bounce Countermeasure
TLAM	Tactical Land Attack Missile
TMP	Task Management Plan
TRAJ	Trajectory Model (Lincoln Labs)
TSPI	Time Space Position Indicator
TTR	Target Tracking Radar
TWS	Track-while-scan
UAV	Unmanned Air Vehicle
USSTRATCOM	U.S. Strategic Command
V&V	Verification and Validation
VAX	Virtual Access Extended
VGPO	Velocity Gate Pull Off
VHF	Very High Frequency
VHR	Verification History Report
VSR	Verification Source Report
VV&A	Verification, Validation, and Accreditation
VV&A/CM	Verification, Validation, Accreditation, and Configuration Management
VV&CM	Verification, Validation and Configuration Management
VV&CMSS	Verification, Validation, Configuration Management Status Summary
WL	Wright Laboratories, Wright-Patterson AFB, OH

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WL/AAWA	Air Force Wright Laboratory Electronic Warfare Requirements and Effectiveness Evaluation Branch
WSFE	Weapon Selection Functional Element
WSMR	White Sands Missile Range, NM
WTP	Weapon/Target Pair

